27662

PATENT TRADEMARK OFFICE

PATENT
Microsoft Docket No. 305898.01
Attorney Docket No.: MCS-082-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: MALVAR et al   .   : Group Art Unit: UNKNOWN
                                                :
                                                :
Entitled: HIGH-QUALITY GRADIENT-   : Examiner: UNKNOWN
             CORRECTED LINEAR   :
             INTERPOLATION FOR DEMOSAICING:
             OF COLOR IMAGES   :
                                                :
Serial No.: UNKNOWN   :
                                                :
Filing Date: CONCURRENTLY HEREWITH   :

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.
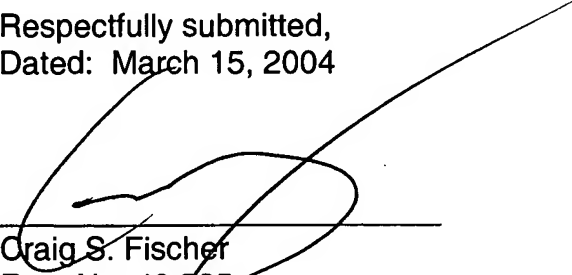
This disclosure statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. Furthermore, no admission is being made that these documents are prior art, and the Applicants reserve the right to challenge any such conclusion.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the manual of Patent Examining Procedures, sections 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be contacted so that any deficiencies can be remedied.

A copy of these documents is enclosed unless indicated otherwise. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

In an effort to expedite and further the prosecution of the subject application, the Applicant kindly invites the Examiner to contact the Applicant's attorney by telephone at (805) 278-8855 if the Examiner has any questions or concerns.

Respectfully submitted,
Dated: March 15, 2004

Craig S. Fischer
Reg. No. 42,535
Attorney for Applicants

LYON & HARR, L.L.P.
300 Esplanade Drive, Suite 800
Oxnard, California 93036-1274
Telephone: (805) 278-8855
Facsimile: (805) 278-8064

INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*		DOCKET NO.: MCS-082-03	SERIAL NO.: UNKNOWN
		INVENTOR: MALVAR et al.	
		FILING DATE: CONCURRENTLY HEREWITH	GROUP: UNKNOWN

U.S. PATENT DOCUMENTS

*Examiner Initial	Ref.	Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)
	A1	5,506,619	04-09-1996	Adam, Jr. et al.			03-17-1995
	A2	3,971,065	07-20-1976	Bayer			03-05-1975
	A3	4,724,395	02-09-1988	Freeman			12-29-1986
	A4	5,373,322	12-13-1994	Laroche et al.			06-30-1993

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	No

OTHER DOCUMENTS *(Including Author, Title, Date. Pertinent Pages, Etc.)*

	A5	Chang, E., Cheung, S. and Pan, D. Y., "Color filter array recovery using a threshold-based variable number of gradients," *Proc. SPIE,* vol. 3650, pp. 36–43, Jan.1999.
	A6	Gunturk, B. K., Altunbasak, Y. and Mersereau, R. M., "Color plane interpolation using alternating projections", *IEEE Trans. on Image Processing,* vol. 11, pp. 997–1013, Sept. 2002.
	A7	Kimmel, R., "Demosaicing: image reconstruction from color CCD samples," *IEEE Trans. on Image Processing,* vol. 8, pp. 1221–1228, Sept. 1999.
	A8	Longère, P., Zhang, X., Delahunt, P. B. and Brainard, D. H., "Perceptual assessment of demosaicing algorithm performance," *Proc. IEEE,* vol. 90, pp. 123–132, Jan. 2002.
	A9	Pei, S-C. and Tam, L-K., "Effective color interpolation in CCD color filter array using signal correlation," *Proc. ICIP,* pp. 488–491, Sept. 2000.
	A10	Ramanath, R., Snyder, W. E. and Bilbro, G. L., "Demosaicking methods for Bayer color arrays," *J. Electronic Imaging,* vol. 11, pp. 306–315, July 2002.

EXAMINER:	DATE CONSIDERED:

*EXAMINER: Initial if any reference considered, whether or not the citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.